

Appendices

Appendix 1.1

(Reference to paragraph 1.3, page 2)

List of Departments under Economic Sector

1. Agriculture and Co-operation
2. Animal Husbandry and Fisheries
3. Energy
4. Environment, Forests, Science and Technology
5. Industries and Commerce
6. Information Technology and Communications
7. Infrastructure and Investment
8. Irrigation and Command Area Development
9. Public Enterprises
10. Transport, Roads and Buildings

Appendix 1.2

(Reference to paragraph 1.3, page 2)

List of Autonomous Bodies

- 1 YSR Horticulture University
- 2 Andhra Pradesh State Seed Certification Agency
- 3 Andhra Pradesh Co-operative Rural Irrigation Corporation
- 4 The Hyderabad Agricultural Cooperative Association Limited (HACA)
- 5 Andhra Pradesh Oilfed
- 6 Andhra Pradesh Co-operative Bank Limited (APCOB)
- 7 Andhra Pradesh Spinfed
- 8 Andhra Pradesh Co-operative Tribunal
- 9 Andhra Pradesh Markfed
- 10 Acharya N G Ranga Agricultural University, Rajendra Nagar
- 11 Federation of Sericulture and Silk weavers Co-operative Societies Limited (SERIFED)
- 12 Andhra Pradesh Sheep & Goat Development Co-operative Federation Limited
- 13 Andhra Pradesh Livestock Development Agency
- 14 Andhra Pradesh State Fishermen Co-operative Societies Federation Limited
- 15 Andhra Pradesh State Co-operative Joint Farming and Labour Contract Societies Federation Limited
- 16 Andhra Pradesh Invest
- 17 Andhra Pradesh Horticulture Agency
- 18 Andhra Pradesh Dairy Development Co-operative Federation Limited
- 19 Andhra Pradesh Infrastructure and Investment Corporation (APIIC)
- 20 Water and Land Management Training and Research Institute
- 21 Andhra Pradesh Pollution Control Board
- 22 Andhra Pradesh Council of Science and Technology
- 23 Zoo Authority of Andhra Pradesh
- 24 Andhra Pradesh State Biodiversity Board
- 25 Environment Protection Training and Research Institute (EPTRI)
- 26 AP Khadi and Village Industries Board
- 27 AP State Compensatory Afforestation Fund Management & Planning Authority
- 28 Andhra Pradesh Electricity Regulatory Commission

Appendix 1.3

(Reference to paragraph 1.6.3, page 4)

Department-wise break-up of outstanding Inspection Reports and Paragraphs

Department	Number of IRs/Paragraphs pending as of 30 September 2013	
	IRs	Paragraphs
Agriculture and Cooperation	712	2541
Animal Husbandry, Dairy Development and Fisheries	236	893
Energy	2	13
Environment, Forests, Science and Technology	472	1170
Industries and Commerce	339	1074
Information Technology and Communication	8	57
Infrastructure and Investment	12	70
Irrigation & Command Area Development	1554	4241
Roads and Buildings	472	1380
Total	3807	11439

Appendix 2.1

(Reference to paragraph 2.1.15, page 27)

Details of cases involving delay/non-establishment of laboratories

Sl. No.	Name of Unit	Implementing agency and place	Amount sanctioned and year of sanction	Status/ Remarks
1.	Plant Health Clinic	Horticulture Research Station, Lam, Guntur District under Horticultural University	₹20 lakh sanctioned during 2007-08	Equipment costing ₹20 lakh purchased but not installed due to lack of building to house the Laboratory, rendering the expenditure unfruitful.
2.	Bio Control Laboratory	Horticultural Research Station, Mallepally, Nalgonda District under Horticultural University	₹75 lakh sanctioned during 2008-09	Building completed in March 2012 at a cost of ₹49.79 lakh, but required equipment not purchased and power supply connection not obtained rendering the expenditure incurred on construction of building unfruitful.
3.	Bio Control Laboratory	Department of Horticulture, Utukuru village, YSR district in collaboration with Krishi Vigyana Kendram	₹75 lakh sanctioned in August 2009 ₹25 lakh released in September 2010	₹6.03 lakh incurred on construction of compound wall around an already existing Training institute. Laboratory not established and the intended objective of production of bio agents was not achieved.
4.	Bio Control Laboratory	Horticultural Research Station, Aswaraopet, Khammam district under Horticultural University	₹75 lakh sanctioned during 2008-09	Though construction of building and purchasing of equipment was completed during 2009 at a cost of ₹73.25 lakh, isolation of native bio-control agents of horticulture crops, establishment and maintenance of cape gardens to support and maintain population of beneficial organisms, standardization of protocols for mass production, mass multiplication of bio agents and subsequent release and sale of bio control agents was not done reportedly due to non availability of Scientists in entomology, plant pathology, microbiology and horticulture, rendering the expenditure unfruitful.

Appendix 2.2

(Reference to paragraph 2.2.9.1, page 42)

List of MI projects not completed as of July 2013

Name of the work	Intended ayacut (acres)	Year of taking up (sanction)	To be completed by	Expenditure so far (₹ in crore)	Reasons
Tank across Jilleduband vagu Gunjepalli (v), Mudigubba (M), Ananthapuramu District	2792	November 2003	July 2005	6.31	Non-acquisition of land
Formation of MI tank across China Suddavagu, Mategaon (v), Bhainsa (M), Adilabad District	4600	September 2004	December 2006	2.35	Non-acquisition of land
New tank across local vagu in Ruyyadi (v), Talamadugu (M), Adilabad District	835	September 2004	March 2006	0.51	Non-acquisition of land
New tank across local vagu in Mankapur (v), Namoor (M), Adilabad District	1572	April 2008	August 2010	6.48	Non-acquisition of land
New tank near Kokkuguda (v) Jainoor (M), Adilabad District	954	February 2005	October 2006	2.94	Stoppage (August 2007) of work by contractor and non-entrustment of balance works since then.
Extension of feeder channel from Errakunta, Maktha Anantharam (V) Bibinagar (M) to Ooracheru, Dharmaram (V) Mothkur (M) in Nalgonda district	7560	March 2005/ April 2006	June 2007/ April 2009	10.27	Work in all the three reaches was stopped due to non-handing over of lands, leaving the project incomplete. Meanwhile, the cost of land acquisition has also increased by ₹11.24 crore.
Formation of Reservoir across Peddagedda near Jamparakota (V), Palakonda (M) in Srikakulam district	2100	October 1988	January 1990	8.02	The work was terminated/stopped (in 1990, 1995, 2002 and 2009) due to protests from project affected families and remained incomplete even after 25 years. The project cost had already increased by ₹15.32 crore (April 2006) and likely to increase further.
Restoration of Gandicheruvu MI tank near Somayajulapalli (v), Gandlapenta (M) of Ananthapuramu District	200	August 2007	May 2009	0.64	Foreshore of this abandoned tank was encroached and pattas were also issued to the occupants. The department took up restoration work without rehabilitation of pattadars. The work was stopped (August 2010) due to agitations by the villagers and remained incomplete.
	20613			37.52	

Appendix 2.3

(Reference to paragraph 2.2.9.1, page 42)

List of tanks taken up under APILIP, but not completed due to land acquisition problems

Name of the tank	Ayacut	Agreement concluded	Target date of completion	Land required (acres)	Acquired (acres)	Balance (acres)	Expenditure as of March 2013 (₹ in lakh)
IB Division, Nirmal, Adilabad District							
¹ FNT a/c l/s Zandguda, Ramguv (V), Thamsi (M)	2000	September 2008	March 2010	100.19	31.28	68.91	631.52
FNT a/c l/s Laxmipur H/o Chenchughat (V), Adilabad (M)	600	September 2008	September 2009	59.03	36.30	22.73	239.19
FNT a/c l/s Malkapur, Gudihatnoor (M)	267	June 2012	June 2013	55.09	Nil	55.09	Nil
FNT a/c l/s Gowliguda (V), Neradigonda (M)	150	February 2011	February 2012	43.27	Nil	43.27	Nil
FNT a/c l/s Dahagaon (V), Talamadugu (M)	500	September 2009	September 2010	73.33	Nil	73.33	63.33
FNT a/c l/s Thatiguda, Khanapur (M)	350	September 2008	June 2009	34.22	5.35	28.87	61.54
FNT a/c l/s Paspule, Khanapur (M)	300	November 2008	August 2009	20.22	Nil	20.22	78.08
Special MI Division, Utnoor, Adilabad District							
FNT a/c l/s Elkapally, Khanapur (M)	1000	February 2009	February 2010	122	Nil	122	Nil
FNT a/c l/s Nagepally	380	December 2009	September 2010	67	Nil	67	Nil
FNT a/c l/s Chakepally	380	November 2011	August 2012	75.10	19.36	55.74	37.72
FNT a/c l/s Ginnera	600	May 2011	May 2012	64	31.09	32.91	190.02
FNT a/c l/s Pangidimandira	600	December 2011	March 2013	77.23	40.00	37.23	64.30
IB Division, Mancheri, Adilabad District							
FNT a/c l/s Rachini (V), Thandur (M)	350	December 2009	September 2010	30.01	Nil	30.01	126.63
FNT a/c l/s Nennel (V&M)	400	October 2009	July 2010	43.34	Nil	43.34	225.50
FNT a/c l/s Kondampet, Kotapally (M)	180	October 2009	July 2010	25.26	Nil	25.26	58.21
FNT a/c l/s Kundaram, Jaipur (M)	650	November 2009	November 2010	87.22	Nil	87.22	438.94

¹ Formation of New Tank across local stream

Name of the tank	Ayacut	Agreement concluded	Target date of completion	Land required (acres)	Acquired (acres)	Balance (acres)	Expenditure as of March 2013 (₹ in lakh)
PPRP Division, Bellampally, Adilabad District							
FNT a/c l/s Gundamghut (V), Asifabad (M)	850	May 2011	December 2013	170.96	Nil	170.96	24.51
FNT a/c l/s Achlapur (V), Thandur (M)	2000	October 2009	October 2011	347.08	Nil	347.08	1456.38
FNT a/c l/s Thangallapally (V), Dehagaon (M)	300	November 2011	August 2013	63.1	Nil	63.1	21.39
Total	11857			1557.65	163.38	1394.27	3717.26

FNT: Formation of New Tank; a/c : across; l/s : local stream

Appendix 2.4

(Reference to paragraph 2.2.10.1, page 44)

Progress of works entrusted under APCBTMP in test checked districts

District	Works entrusted to contractors		Works entrusted to WUAs		Total	
	Taken up	Completed	Taken up	Completed	Taken up	Completed
Adilabad	56	51	56	50	112	101
Ananthapuramu	143	117	144	140	287	257
Chittoor	165	140	165	140	330	280
Mahabubnagar	270	200	271	216	541	416
Medak	232	203	232	213	464	416
Nalgonda	136	6	136	34	272	40
Nellore	127	106	127	124	254	230
Srikakulam	82	4	81	2	163	6
Total	1211	827	1212	919	2423	1746

Appendix 2.5

(Reference to paragraph 2.2.10.1, page 44)

List of works not commenced under APCBTMP in Srikakulam and Nalgonda districts

Name of the tank	Village	Mandal	Agreement date	Agreement value (in ₹)	Stipulated date of completion
Srikakulam District					
Bandirevugai tank	Gorlepadu	Kaviti	09-07-2010	10,18,860	08-10-2010
Voora Tank	Karapadu	Kaviti	09-07-2010	8,76,000	8-10-2010
Dharma sagaram	China-padmapuram	Pathapatnam	24-01-2012	24,20,092	23-4-2012
Pedda	Seethamma-valasa	Ranastalam	22-12-2009	6,66,578	21-3-2010
Chuttu	Aguru	Rajam	17-11-2008	10,12,386	16-5-2009
Rudrasagaram	Gaddimudidam	Rajam	29-12-2009	13,92,266	28-3-2010
Ayyavari Tank	DRNValasa	Rajam	23-12-2009	7,52,757	22-3-2010
Timmayapoonu	Saradhi	Rajam	09-07-2010	12,35,084	8-10-2010
Venkayya	Voppangi	Regadi Amadalavalasa	27-11-2009	10,51,762	26-2-2010
Yerra tank	Ponugitivalasa	Santhakaviti	09-07-2010	10,12,484	8-10-2010
Nalgonda District					
Chinthalacheru (Ooracheruvu)	Kopple	Gurrampode	30-12-2011	4,13,033	29-12-2012

Appendix 2.6

(Reference to paragraph 2.3.9.1, page 62)

Details of CSCs envisaged, rolled out and actually operational

Zone No.	Name of Districts	No. of CSCs envisaged to be set up in the agreement	No. of CSCs rolled out (SCA-VLE agreement)	Percentage of roll out	No of CSCs actually operational	Percentage of CSCs Operational
I	Visakhapatnam	213	170	80	107	50
	Vizianagaram	213	173	81	91	43
	Srikakulam	213	154	72	111	52
	East Godavari	214	232	108	175	82
III	Nizamabad	213	243	114	143	67
	Adilabad	213	203	95	101	47
	Karimnagar	213	163	77	108	51
	Warangal	213	208	98	107	50
V	Guntur	213	251	118	141	66
	Kurnool	213	177	83	75	35
	Prakasham	213	251	118	119	56
	Total	2344	2225	95	1278	55
II	West Godavari	213	130	61	101	47
	Krishna	213	153	72	128	60
	Khammam	213	144	68	120	56
	Total	639	427	67	349	55
IV	Ranga Reddy	213	108	51	79	37
	Medak	213	135	63	92	43
	Mahabubnagar	213	165	77	107	50
	Nalgonda	213	137	64	105	49
VI	YSR Kadapa	213	130	61	98	46
	SPS Nellore	213	114	54	118	55
	Chithoor	213	126	59	121	57
	Ananthapuramu	213	110	52	69	32
	Total	1704	1025	60	789	46
	Grand Total	4687	3677	78	2416	52

Appendix 3.1

(Reference to paragraph 3.1.2, page 67)

Details of the test checked PPP road projects

1. *Four laning of Hyderabad-Karimnagar-Ramagundam Road (HKR Road)*

Hyderabad-Karimnagar-Ramagundam Road (HKR Road) State Highway No.1 also known as Rajiv Rahadari starts from km 9.600 Parade Grounds, Secunderabad and passes through the districts of Hyderabad, Rangareddy, Medak, Karimnagar and Adilabad to join NH-16 near Mancherial. Government accorded administrative sanction in October 2009 for four laning of the above road. Total project cost (TPC) of the project was ₹1358.19 crore. Project was entrusted (May 2010) to a Concessionaire on DBFOT (Toll) basis with a grant of ₹454 crore and a concession period of 25 years (including a construction period of 30 months). Construction work was in progress (September 2013).

2. *Four laning of Narketpally-Addanki-Medarmetla Road (NAM Road)*

State Highway (SH) – 2 originates from NH-9 at Narketpally in Nalgonda District and passes through the districts of Nalgonda (88 Km), Guntur (78 Km) and Prakasam (46.5 Km) to join NH-5 at Medarmetla near Addanki in Prakasam District with a total length of 212.500 Km. The existing highway is a two lane undivided carriageway (except for 2.8 Km, which was 4 laned). Government accorded administrative approval in October 2009 for four laning of above road. TPC of the project was ₹1196.84 crore. Project was awarded (May 2010) to a Concessionaire on DBFOT (Toll) basis with a grant of ₹ 467.02 crore and a concession period of 24 years (including a construction period of 30 months). Construction work was in progress (September 2013).

3. *Four laning of Nellore-Gooty Road*

Government initially proposed (2008) for up-gradation of ‘Nellore-Gorantla’ road (connecting NH-5 with NH-7 via Atmakur, Badvel, Kamalapuram) to four lane under BOT-Annuity mode. Later, proposal was revised and 295 Km long road from Nellore to Gooty (which is a part of Mypadu-Nellore-Bellary-Bombay road), interconnecting NH-5, NH-18, NH-7 and NH-63, was proposed for up-gradation and Government accorded administrative approval in February 2009. TPC of the project was ₹962 crore. Subsequently, a portion of the project road (i.e. the stretch from Mydukuru to Jammalamadugu) was taken up (January/April 2012) for four laning under the World Bank assisted AP Road Sector Project (APRSP) and was in progress. Four laning of remaining portion of ‘Nellore - Gooty’ road has not been taken up.

4. *Construction of major bridge across river Godavari (Godavari Bridge)*

The project contemplates construction of a four lane bridge for a length of 4.150 Km on river Godavari with required approaches for a length of about 10.338 Km to connect Km 82/4 of Eluru – Gundugolanu – Kovvur (EGK) Road on Kovvur side (West Godavari district) and joining NH-5 at KM 197/4 on Rajahmundry side (East Godavari district). TPC of the project was ₹593 crore (later revised to ₹808.78 crore). The project was awarded under BOT- Toll basis to a Concessionaire with a grant of ₹207.55 crore and a concession period of 25 years (including construction period of three years) and concession agreement was concluded (November 2008). Construction work was in progress (September 2013).

5. *Four laning of Puthalapattu-Naidupeta Road (PN Road)*

Government accorded (October 2009) administrative approval for upgradation of Puthalapattu – Naidupeta Road from Km 0.000 to Km 41.700 and from Km 59.000 to Km 116.830 to four lanes. TPC of the project was ₹406.93 crore. Department invited tenders (RFQ in April 2008 and RFP in March/April 2009) for taking up the project under BOT (Toll) basis. However, tenders were cancelled (June 2010) and the project was not taken up as the project road was converted as a National Highway.

6. *Kadapa-Pulivendula Road (KP Road)*

Government proposed (July 2007) to upgrade the Kadapa - Pulivendula Road (KP Road) from existing two lanes to four lanes under PPP mode. Administrative approval was accorded in December 2008. TPC of the project was ₹265.34 crore. The road work was divided into four packages and after call of tenders, works were awarded (July 2009 – January 2010) to different agencies on BOT-Annuity basis for completion in 18 months.

(₹ in crore)

Package	Date of Agreement	Semi Annuity amount	Total amount to be paid in 10 years
KP-01	9 October 2009	9.35	187.00
KP-02	9 July 2009	7.64	152.80
KP-03	5 August 2009	12.50	250.00
KP-04	25 January 2010	11.14	222.80
	Total	40.63	812.60

Four laning of three packages (KP-02, KP-03 and KP-04) was completed except some punch list items and package KP-01 (from Km 1/700 to Km 15/000) was not completed (September 2013).

7. *Yanam - Yedurlanka Bridge*

Government proposed to construct a High Level Road Bridge (HLB) across Gowthami Branch of Godavari River between Yanam (which is a part of the Union Territory of Puducherry) and Yedurulanka (in East Godavari district of AP) to provide better connectivity among three coastal districts of East Godavari, West Godavari and Krishna. After tender process, the work was awarded (October 1999) to a Concessionaire on BOT-Toll basis. Total project cost was ₹110 crore, out of which the Government provided a subsidy of ₹69 crore. Construction period stipulated was 33 months and concession period was 15 years. The bridge was completed within stipulated period and opened for traffic on 05 October 2002. The period of toll collection was up to 30 September 2017.

8. *Construction of High Level Bridge across river Krishna in Mahabubnagar District*

High Level Bridge across river Krishna with approaches was proposed with an intention to reduce travel distance between Kollapur in Mahabubnagar district and Atmakur in Kurnool district by 127 km. Government accorded (February 2007) Administrative Approval for ₹191 crore to take up the work under BOT-Annuity basis in a phased manner – construction of HLB in phase-I and widening and strengthening of connecting single lane road after 5 years in phase-II. TPC of the project was ₹149 crore. Department invited tenders to take up the bridge work under BOT-Annuity basis and after finalization of tenders, asked (September 2008) the lowest bidder to conclude agreement. However, the bidder did not come forward to conclude agreement. Later, Government issued orders (December 2009) to convert the project as a plan work instead of BOT-Annuity. The work has not been taken up so far.

9. *Construction of HLB across river Musi*

The work of construction of two-lane bridge across Musi River from Km 6/6 to Km 7/2 of Miryalguda – Kodad Road including approaches in lieu of existing Causeway in Nalgonda District (TPC: ₹14.5 crore) was entrusted (February 2009) under BOT-Toll basis to a Concessionaire which offered to pay a premium of ₹4.05 crore to the department. Concession period was 15 years (including construction period of 18 months). The bridge was completed and the concessionaire started collecting toll from 19 February 2010 onwards.

Appendix 3.2

(Reference to paragraph 3.2.4.2, page 84)

Delay in notification of forest land accepted for Compensatory Afforestation

Sl. No.	Name of the Project	Date of GoI final approval	Non-forest CA land accepted (Ha) and Forest Division in which accepted	Time elapsed since final approval (as of June 2013)
1	Forest land – rehabilitation of people Thitigudem, Chirumalla, Sitarampuram and Karakagudem of Manugur Taluk, diversion of 10 Ha of forest land in Mothi RF of Bayyaram Range.	31.08.1992	10.00, DFO, Paloncha	20 years 10 months
2	Laying of 220 KV line from lower Sileru to Bommuru	07.02.1994	225.160, DFO, Kakinada	19 years 04 months
3	Diversion of forest land of 48 Ha, Chimalpad RF, Mudupally beat of Karepally range of Khammam Division for coal mining at Yellandu – Open Cast Project-II in favour of Singareni Collieries Company Limited (SCCL)	22.07.1995	48.00, DFO, Paloncha	17 years 11 months
4	Mining of lime stone Calcite etc in favour of user agency in Kurnool Dist.	12.09.1995	1.770, DFO, Kurnool	17 years 9 months
5	Diversion of 286.25 Ha of forest land on lease basis mining towards balance requirement of open cast project –II-Phase III in Kondapur- Ext.-1 and Kondiagudem RF	10.10.1997	19.12, DFO, Paloncha	15 years 8 months
6	Diversion of 73.93 Ha of forest land in Compt. No. 27, Saidulunama RF, Nalgonda Dist. in favour of user agency	23.02.1998	43.909, DFO, Nalgonda	15 years 4 months
7	Diversion of 124 Ha of forest land for Guathamikhani- OCP- Phase II- in favour of SCCL.	17.08.1998	124.00, DFO, Paloncha	14 years 10 months
8	Diversion of forest land Centenary Incline- Yellandu in favour of SCCL.	10.09.1998	4.77, DFO, Paloncha	14 years 9 months
9	Diversion of 2 Ha of forest land for sand stowing plant for PK.No.1 Incline Manuguru Forest.	27.05.1999	2.00, DFO, Paloncha	14 years 1 month
10	Construction of approach road to Guathamikhani – OCP – from workers colony	27.08.1999	1.80, DFO, Paloncha	13 years 10 months
11	Construction of Dharacalva reservoir project.	27.10.2000	10.810, DFO, Kakinada	12 years 8 months
12	Diversion of forest land – OCP-I in Koyagudem	14.05.2001	18.57, DFO, Paloncha	12 years 1 month

Sl. No.	Name of the Project	Date of GoI final approval	Non-forest CA land accepted (Ha) and Forest Division in which accepted	Time elapsed since final approval (as of June 2013)
13	Extraction of iron ore in Bellary RF in favour of user agency	21.10.2005	18.00, DFO, Ananthapuramu	7 years 8 months
14	Construction of Peddavagu Irrigation Project in Adilabad Dist. (Komaram Bheem Project).	02.12.2005	189.00, DFO, Ananthapuramu	7 years 6 months
15	Diversion of 220.091 Ha of forest land in Bhupathipalem, Geddada, Cheruvupalem and Rampa forest block in RC varam range of Kakinada Division for construction of Bhupathipalem Reservoir.	22.12.2005	220.190, DFO, Kakinada	7 years 6 months
16	Diversion of 110.87 Ha for Eco-Tourism Project in Ranga Reddy (RR) District.	23.03.2006	110.87, DFO, Chittoor East.	7 years 3 months
17	Pushkar Lift Irrigation Scheme.	21.04.2006	4.110, DFO, Kakinada	7 years 2 months
18	Mining lease for extraction of iron ore in Bellary RF in favour of user agency.	05.10.2006	39.50, DFO, Ananthapuramu	6 years 8 months
19	Diversion of 4.74 Ha of forest land in Ramavaram RF for shifting of 220 KV KTS Nunna SC line in Kothagudem Division.	21.11.2006	4.74, DFO, Paloncha	6 years 7 months
20	Diversion of 13.205 Ha of forest land to install natural gas pipe line through Rathikalwa RF in E.G. Dist. in favour of user agency.	21.05.2007	15.823, DFO, Nalgonda	6 years 1 months
21	Diversion of 4.88 Ha of forest land for shaft sinking of Shanthikhanai long wall project in favour of SCCL.	18.07.2007	4.88, DFO, Paloncha	5 years 11 months
22	Diversion of 39.40 Ha of forest land in four RFs of Hyderabad Division for formation of Outer Ring Road – Phase II (A) in favour of HUDA.	21.02.2008	40.47, DFO, Nalgonda	5 years 4 months
23	Talleru and Kodavali lift canals (left main canal and right main canal) under Pushkar Lift Irrigation Scheme.	03.03.2008	17.860, DFO, Kakinada	5 years 3 months
24	For excavation of canal in package no. 27 from Km 0.00 to 9.00 under GNSS flood flow canal in favour of Irrigation Dept.	26.03.2008	33.510, DFO, Kurnool	5 years 3 months
25	Excavation of SRBC main canal from 142.925 to 146.275 Km in favour of Irrigation Dept.	21.07.2008	29.260, DFO, Kurnool	4 years 11 months

Sl. No.	Name of the Project	Date of GoI final approval	Non-forest CA land accepted (Ha) and Forest Division in which accepted	Time elapsed since final approval (as of June 2013)
26	For excavation of Chute canal for spillway of Owk reservoir (Gollaleru drain) in favour of Irrigation Dept.	24.07.2008	4.80, DFO, Kurnool	4 years 11 months
27	Excavation of Owk canal to GNSS flood flow canal from Km 57.70 to Km 63.70 in favour of Irrigation Dept.	14.10.2008	28.00, DFO, Kurnool	4 years 8 months
28	Diversion of 175.69 Ha forest land in Paloncha Forest Division for open cast coal mining (OCP-II), Manuguru in favour of SCCL.	05.02.2009	175.69, DFO, Paloncha	4 years 4 months
29	Mining for extraction of Black granite in favour of user agency.	05.03.2009	7.40, DFO, Ananthapuramu	4 years 3 months
30	Mining for extraction of black granite in favour of user agency.	05.03.2009	7.40, DFO, Ananthapuramu	4 years 3 months
31	Diversion of 98.093 Ha of forest land in Kadlakoti (10.54 Ha), Thumkunta (77.129 Ha), Shamirpet (10.60 Ha), RF for ORR Project- Phase II (B), HUDA advance works in favour of PD & Special Collector, ORRP, HUDA.	08.04.2010	111.57, DFO, Nalgonda	3 years 2 months
32	Diversion of 3731.07 Ha (3473.00 Ha notified forest, 258.07 Ha deemed forest land as per Hon'ble Supreme Court Decision) - Construction of Indira Sagar (Polavaram) Project.	28.07.2010	1152.34, DFO, Kakinada	2 years 11 months
33	Formation of approach road for transportation of Minerals in favor of user agency.	02.09.2011	2.24, DFO, Ananthapuramu	1 year 9 months
34	Extraction of limestone mining in favor of user agency.	5.12.2011	630.00, DFO, Ananthapuramu	1 year 6 months
35	Formation of HAUL road for transport of limestone in favor of user agency.	24.02.2012	6.05, DFO, Ananthapuramu	1 year 4 months

Appendix 3.3

(Reference to paragraph 3.3.1, page 88)

Modernization projects approved by Government

Sl. No.	Name of the scheme	Ayacut (in lakh acres)	Background for modernization	Month/Year of Administrative Approval	Administrative Approval cost (₹ in crore)
1	Nagarjunasagar Project	21.53	Deterioration of canal and distributary system; deficiencies in the dam due to repeated erosion and pitting of concrete	February 2008	4444.41
2	Krishna Delta System (KDS)	13.35	Damages caused by cyclone OGNI (October 2006) in the four delta districts ² .	November 2007	4573.00
3	Godavari Delta System (GDS)	10.38	Increase in ayacut; present carrying capacity of the system including structures was found inadequate; outliving of canal and structures which are in dilapidated condition; and damages caused by cyclone OGNI.	November 2007	3361.00
4	Tungabhadra Project High Level Canal (TBP HLC) & Low level Canal (TBPLLC)	4.65	HLC: Allocation of water of 5 TMC ³ (later increased to 10 TMC) to Pennar Ahobilam Balancing Reservoir (PABR) for drinking water and other needs of Hindupur area in Ananthapuramu district; reduction in storage capacity of the Tungabhadra project reservoir. LLC : Continuous siltation; seepage losses due to existence of reaches without lining (from KM 250.58 to KM 310.00 of main canal and 124 KMs distributary system out of 215KMs).	November 2007 (HLC) and February 2008 (LLC)	794.12
5	Pennar Delta System	2.47	Silting of principal supply channels resulting in reduction of discharge capacity; Silting up of reservoirs and distributary systems.	May 2006 - February 2009	1001.73
6	Nizamsagar Project	2.31	Decrease in carrying capacity of canal due to siltation; Seepage losses due to unlined canals.	June 2008	549.60
7	Yeleru Irrigation system	0.67	Inundation of 0.30 lakh acres every year during cyclonic season.	July 2008	138.00
8	Nagavali system	0.40	Aging; several high floods and heavy rains caused silting up and erosions in the system.	May 2009	139.59
		55.76			15001.45

² Krishna, Guntur, Prakasam and West Godavari districts

³ Thousand Million Cubic Feet

Appendix 3.4

(Reference to paragraph 3.3.7, page 92)

Packages bagged by one contractor in modernization of Krishna Delta System

	Name of the Work (Package No.)	Estimate Value (₹ in crore)	Quotation of L1 bidder		Quotation of L2 bidder	
			Amount (₹ in crore)	Tender percentage	Amount (₹ in crore)	Tender percentage
1	Modernization of South channel from KM 0.000 to KM 24.210 and its distribution system (5/KDS/K/ 09-10)	68.18	70.88	(+) 3.96	71.49	(+) 4.85
2	Modernization of East channel from KM 0.000 to KM 17.740 and its distributory system (6/KDS/K/09-10)	61.73	64.13	(+) 3.9	64.75	(+) 4.9
3	Modernization of Ryves canal from Km 2.752 to Km 18.200 and its distributory system (9-1 /KDS/K/ 07-08)	55.93	58.06	(+) 3.81	58.65	(+) 4.87
4	Modernization of Ryves canal from Km 18.200 to Km 26.735 and its distributory system (9-2/KDS/K/ 09-10)	45.04	46.75	(+) 3.79	47.26	(+) 4.91
5	Modernization of Ryves canal from Km 26.735 to Km 36.312 and its distributory system (9-3 /KDS/K/ 09-10)	39.95	41.55	(+) 3.99	41.93	(+) 4.95
6	Modernization of Inampudi and Bhimanadi Drainage Basin (18-9 /DR/KDS/K/09-10)	36.78	38.23	(+) 3.96	38.51	(+) 4.7
7	Modernization of East side Channel from KM. 20.720 to KM 35.400 and Nizampatnam Canal from KM.21.123 to KM 32.000 and West side channel from KM.20.961 to KM 29.955 and branches and distributaries (22-1/ KDS/G/2009-10)	62.34	64.78	(+) 3.9	65.39	(+) 4.89
8	Modernization of East side Channel from Km 35.400 to Km 43.875 and Nizampatnam Canal from Km.32.000 to Km.43.875 and West side channel from Km. 29.955 to 43.875 and branches and its distributaries (22-2/ KDS/G/ 2009-10)	39.79	41.36	(+)3.95	41.61	(+) 4.59
9	Modernization of East side Channel from Km.43.875 to Km.58.710 and Nizampatnam canal from Km.43.875 to 59.300 and West Side Channel from Km.43.875 to Km 59.285 and branches and distributaries (22-3/KDS/G/2009-11)	53.16	55.29	(+) 3.99	55.66	(+) 4.69

	Name of the Work (Package No.)	Estimate Value (₹ in crore)	Quotation of L1 bidder		Quotation of L2 bidder	
			Amount (₹ in crore)	Tender percentage	Amount (₹ in crore)	Tender percentage
10	Modernization of Nizampatnam Canal from Km.59.300 to Km.66.185 including branches and distributaries (22-4/ KDS/G/ 2009-12)	43.61	45.37	(+) 4.05	45.69	(+) 4.79
11	Modernization of Repalle Main drain old course from Km.0.000 to 23.924 including all Major, Medium & Minor drains in R.M.Basin (23/DR/KDS/G/2009-10)	24.57	25.67	(+) 4.5	25.77	(+) 4.91
12	Modernization of Kolimerla drain below Commamur Canal, Nakkavagu upper arm, Chebrolu side drain and all infalling drains (17/DR/KDS/G/2009-10)	41.07	42.64	(+) 3.81	43.11	(+) 4.96
13	Modernization of Nallamada drain below commamuru Canal and Nallamada drain above Commamur Canal from Km.0.000 to Km.4.500 and all infalling drains (19/DR/KDS/G/2009-10)	27.82	28.85	(+) 3.69	29.21	(+) 4.98
14	Modernization of Repalle Main drain from Km.16.200 to 28.800 including all Major, Medium & Minor drains in R.M.basin (22/DR/KDS/G/2009-10)	23.09	23.95	(+) 3.72	24.24	(+) 4.95
15	Modernization of Bhattiprolu main drain from Km.16.600 to 40.000 including Major, medium and minor drains in B.M.basin (25/DR/ KDS/G/ 2009-10)	37.24	38.72	(+) 3.99	39.08	(+) 4.96
16	Modernization of R.M. Drain from Km.28.800 to Km. 50.624 and B.M. Drain from Km.40.00 to Km.47.000 and its Medium and Minor drains (28/DR/KDS/G/2009-10)	30.51	31.67	(+) 3.79	32.02	(+) 4.95
17	Modernization of Tenali drain and other all Medium and minor drains in T.B.Basin and also Minor drains in Karlapalem Mandal (30/DR/KDS/G/2009-10)	34.06	35.38	(+) 3.89	35.74	(+) 4.96
18	Modernization of Romperu left arm from Km 9.656 to Km.12.975 and Perali drain including all infalling drains (14/DR/KDS/G/2009-10)	25.52	26.53	(+) 3.96	Only one bid was received	

Appendix 3.5

(Reference to paragraph 3.4.1, page 98)

List of Flood Bank schemes taken up

Sl. No.	Flood Bank Schemes	Month /Year of Administrative Sanction	No. of FB packages	Length in KM	Cost (₹ in crore)
1	Godavari Flood Banks (GFB)				
	a) GFB in East Godavari and West Godavari districts	January 2007	37	409.70	548.32
	b) GFB in Khammam and Warangal districts	February 2007	5	93.82	246.87
2	Flood Banks in Nellore District (NFB)				
	a) Pennar Flood Banks (PFB)	July 2008	12*	139.25	206.32
	b) Swarnamukhi Flood Banks (SFB)	July 2008	6	106.05	171.41
	c) Tsalla Flood Banks (TFB)	July 2008	2	32.55	60.02
	d) Kandaleru Flood Banks	July 2008	4	61.80	105.20
	e) Kalingi Flood Banks	July 2008	2	53.20	62.33
3	Flood Banks on Vamsadhara and Nagavali rivers				
	a) Vamsadhara Flood Banks (VFB)	January 2007	4	168.50	212.58
	b) Nagavali Flood Bank (NFB)	January 2007	2	82.88	98.15
4	Flood Banks in Kurnool District				
	a) Handri Flood Banks (HFB)	April 2008	2	16.09	244.70
	b) Kundu Flood Banks	March 2008	2	4.85	97.51
	c) Maddileru Flood Banks (MFB)	March 2008	1	1.65	
	d) Chamakalva Flood Banks (CFB)	March 2008	2	6.70	
5	Krishna Flood Banks (KFB)	November 2007/ January 2008	4	145.30	259.36
	Total		85	1322.34	2312.77

* Six each on left and right sides

Appendix 3.6

(Reference to paragraph 3.4.6, page 100)

Details of flood bank packages and progress as of March 2013

River	Total No. of packages / works (Administrative sanction)	Number of works taken up (Agreements concluded)	Target date of completion of the latest agreement	No. of packages completed out of total packages	Total Expenditure incurred, so far (₹ in crore)
Godavari at Dowlaiswaram	37	37	December 2012	17	583.12
Godavari at Warangal	2	2	September 2009	--	47.79
Godavari at Khammam	3	3	September 2009	--	28.96
Pennar [#]	12	--	--	--	Nil
Kandaleru [@]	4	3	--	--	Nil
Swarnamukhi	6	1	March 2011	--	16.74
Tsalla kaluva	2	2	January 2011	--	Nil
Kalangi	2	2	March 2011	--	12.05
Krishna	4	4	August 2010	1	187.89
Nagavali	2	2	June 2009	--	31.22
Vamsadhara	4	4	December 2010	--	7.95
Chamakalva	2	2	October 2010	--	3.53
Maddileru	1	1	October 2010	--	7.11
Handri	2	2	May 2012	--	1.17
Kundu	2	1	March 2011	--	Nil
Total	85	66		18	927.53

[#] Agreements yet to be concluded

[@] Two packages already closed and one proposed for closing

Appendix 3.7

(Reference to paragraph 3.4.8, page 101)

Status of land acquisition in various flood bank projects as of March 2013

(in acres)

	Flood Bank	Land to be acquired	Land Acquired	Balance
	(a) For EPC packages			
1	Krishna Flood Banks	188.52	61.83	126.69
2	Nagavali Flood Banks	385.00	148.06	236.94
3	Vamsadhara Flood Banks	1424.36	225.97	1198.39
4	Handri Flood Banks	15.78	--	15.78
5	Godavari Flood Banks in Khammam and Warangal Districts	1287.19	33.42	1253.77
6	Flood Banks in Nellore District			
	(i) Swarnamukhi Flood Banks (SFB)	52.46	7.43	45.03
	(ii) Tsalla Flood Banks (TFB)	119.46	--	119.46
	(iii) Kalingi Flood Bank (KLGFB)	191.61	--	191.61
	<i>Total for EPC packages</i>	<i>3664.38</i>	<i>476.71</i>	<i>3187.67</i>
	(b) For conventional packages			
1	Chamakalva Flood Banks	132.05	89.84	42.21
2	Maddileru Flood Banks	42.12	39.03	3.09
3	Kundu Flood Banks	544.65	--	544.65
4	Godavari Flood Banks in East Godavari and West Godavari Districts	349.58	168.92	180.66
	<i>Total for conventional packages</i>	<i>1068.40</i>	<i>297.79</i>	<i>770.61</i>
	Grand Total	4732.78	774.50	3958.28